Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block: \_\_\_\_\_\_\_

Algebra 2 Honor Spiral 18 - Review

|  |  |  |
| --- | --- | --- |
| Rational Exponents and Radical Notation | | |
| 1. Simplify Completely (no negative exponents): | 1. Write each radical as an exponential expression.       Simplify | |
| Function operations and Inverses | | |
| Given  and  find each of the following. | | | |
|  |  | | |
| 1. Given the equation, find the inverse relation. Then state if the inverse if a function. | 1. Given the graph, sketch the inverse. | | |
| Radical Functions and Equations | |
| 7. Graph each function. Identify its domain and range. Identify end point or point of inflection, and a couple other points on the graph. | 8. Solve each radical equation. |
| Variation and Graphing Simple Rational Functions | |
| 9. The number of absences of student X is directly related to the number of days of school we’ve had. If we have had 110 days of school and student X has been absent 15 times how many times will student X be absent in 180 days?  10. z is jointly related to x and y when x = 2, y = 5 and z = 30. What does z equal when x = 5 and y = 12? | 11. Sketch a graph of each rational function. Identify all important points and asymptotes.     |  |  |  |  | | --- | --- | --- | --- | | x-int | y-int | VA | HA |      |  |  |  |  | | --- | --- | --- | --- | | x-int | y-int | VA | HA | |